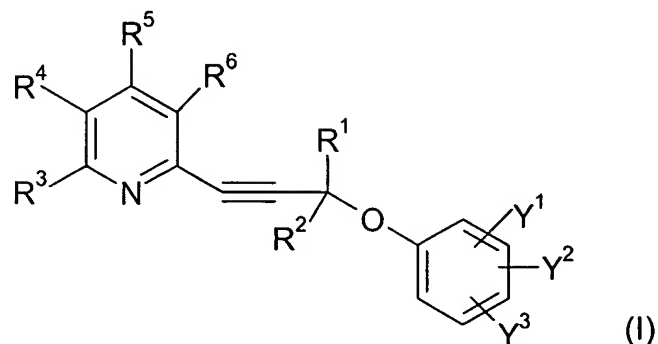


**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A compound of formula I



wherein

$R^1$  is selected from hydrogen,  $C_1$ - $C_4$  alkyl,  $C_3$ - $C_6$  cycloalkyl, aryl and heteroaryl, wherein the aryl or heteroaryl may be substituted by  $C_1$ - $C_4$  alkyl;

$R^2$  is selected from hydrogen and  $C_1$ - $C_4$  alkyl;

$R^3$  is selected from hydrogen,  $C_1$ - $C_4$  alkyl, F,  $CF_3$ ,  $CHF_2$  and  $CH_2F$ ;

$R^4$  is selected from hydrogen, F,  $CF_3$ ,  $CHF_2$ ,  $CH_2F$  and  $CH_3$ ;

$R^5$  is selected from hydrogen and F;

$R^6$  is selected from hydrogen and F;

$Y^1$  is selected from hydrogen; halogen; nitrile;  $C_1$ - $C_4$  alkoxy;  $C_1$ - $C_4$  alkyl wherein one or more of the hydrogen atoms of the alkyl group may be substituted for a fluorine atom;

benzyloxy; nitro in the meta or para position; and  $C_1$ - $C_4$  alkyl ester;

Y<sup>2</sup> is selected from hydrogen; halogen; nitrile; C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>1</sub>-C<sub>4</sub> alkyl wherein one or more of the hydrogen atoms of the alkyl group may be substituted for a fluorine atom; and C<sub>1</sub>-C<sub>4</sub> alkyl ester;

Y<sup>3</sup> is selected from hydrogen; halogen; nitrile; C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>1</sub>-C<sub>4</sub> alkyl wherein one or more of the hydrogen atoms of the alkyl group may be substituted for a fluorine atom; and C<sub>1</sub>-C<sub>4</sub> alkyl ester; or

Y<sup>1</sup> and Y<sup>2</sup> may form an aromatic or non-aromatic ring, optionally substituted by halogen, nitrile, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> alkyl wherein one or more of the hydrogen atoms of the alkyl group may be substituted for a fluorine atom, benzyloxy or C<sub>1</sub>-C<sub>4</sub> alkyl ester;

with the proviso that when Y<sup>1</sup> is hydrogen, Y<sup>2</sup> is selected from halogen, nitrile, C<sub>1</sub>-C<sub>4</sub> alkoxy, and C<sub>1</sub>-C<sub>4</sub> alkyl;

as well as pharmaceutically acceptable salts, hydrates, isoforms and/or optical isomers thereof;

with the proviso that the compound of formula I is not

2-[3-(4-fluoro-2-methoxyphenoxy)prop-1-yn-1-yl]-5-methylpyridine;

2-[3-(4-fluoro-2-methoxyphenoxy)prop-1-yn-1-yl]-6-methylpyridine;

3-methoxy-4-( { 3-[5-(trifluoromethyl)pyridin-2-yl]prop-2-yn-1-yl } oxy)benzonitrile;

2-[3-(4-chloro-2-fluorophenoxy)prop-1-yn-1-yl]-5-(trifluoromethyl)pyridine;

2-[3-(4-fluoro-2-methoxyphenoxy)prop-1-yn-1-yl]-5-(trifluoromethyl)pyridine;

2-[3-(4-chloro-2-methoxyphenoxy)prop-1-yn-1-yl]-5-(trifluoromethyl)pyridine;

2-[3-(4-bromo-2-methoxyphenoxy)prop-1-yn-1-yl]-5-(trifluoromethyl)pyridine;

2-{ 3-[2-methoxy-4-(trifluoromethyl)phenoxy]prop-1-yn-1-yl } -5-

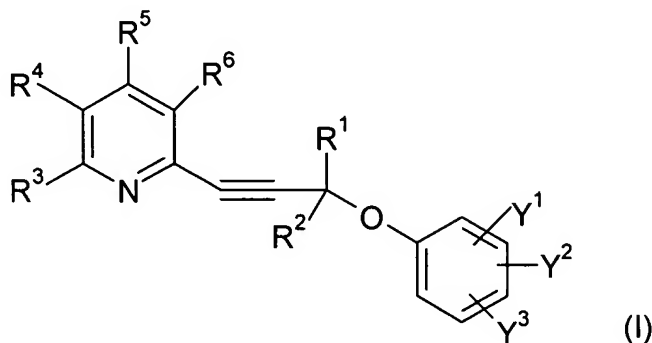
(tri fluoromethyl )pyridine;

2- [3 -(2-methoxy-4-methylphenoxy)prop-1-yn-1-yl]-5-(trifluoromethyl)pyridine;

4-[(3-pyridin-2-ylprop-2-yn-1-yl)oxy]benzonitrile; or

4-[(1,1-dimethyl-3-pyridin-2-ylprop-2-yn-1-yl)oxy]benzonitrile.

2. (Original) A compound of formula I



wherein

R<sup>1</sup> is selected from hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, aryl and heteroaryl, wherein the aryl or heteroaryl may be substituted by C<sub>1</sub>-C<sub>4</sub> alkyl;

R<sup>2</sup> is selected from hydrogen and C<sub>1</sub>-C<sub>4</sub> alkyl;

R<sup>3</sup> is selected from hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, F, CF<sub>3</sub>, CHF<sub>2</sub> and CH<sub>2</sub>F;

R<sup>4</sup> is selected from hydrogen, F, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F and CH<sub>3</sub>;

R<sup>5</sup> is selected from hydrogen and F;

R<sup>6</sup> is selected from hydrogen and F;

Y<sup>1</sup> is selected from hydrogen, halogen, nitrile, C<sub>1</sub>-C<sub>4</sub> alkoxy, and C<sub>1</sub>-C<sub>4</sub> alkyl;

$Y^2$  is selected from hydrogen, halogen, nitrile,  $C_1$ - $C_4$  alkoxy, and  $C_1$ - $C_4$  alkyl;  
 $Y^3$  is selected from hydrogen, halogen, nitrile,  $C_1$ - $C_4$  alkoxy, and  $C_1$ - $C_4$  alkyl;  
with the proviso that when  $Y^1$  is hydrogen,  $Y^2$  is selected from halogen, nitrile,  $C_1$ - $C_4$  alkoxy, and  $C_1$ - $C_4$  alkyl;  
as well as pharmaceutically acceptable salts, hydrates, isoforms and/or optical isomers thereof.

3. (Original) A compound according to formula I of claim 1 or 2, wherein

$R^1$  is hydrogen or  $C_1$ - $C_3$  alkyl;

$R^2$  is hydrogen;

$R^3$  is selected from hydrogen and  $C_1$ - $C_2$  alkyl;

$R^4$  is hydrogen;

$R^5$  is hydrogen;

$R^6$  is hydrogen;

$Y^1$  is selected from hydrogen, chloro,  $C_1$ - $C_2$  alkoxy, and  $C_1$ - $C_2$  alkyl; and

$Y^2$  is selected from hydrogen, chloro,  $C_1$ - $C_2$  alkoxy, and  $C_1$ - $C_2$  alkyl;

with the proviso that when  $Y^1$  is hydrogen,  $Y^2$  is selected from chloro,  $C_1$ - $C_2$  alkoxy, and  $C_1$ - $C_2$  alkyl; and

$Y^3$  is hydrogen.

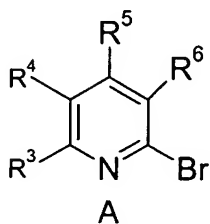
4. (Original) A compound according to claim 1 selected from;
- 2-[3-(3-methoxyphenoxy)prop-1-yn-1-yl]-6-methylpyridine;
  - 2-[3-(3-methoxyphenoxy)prop-1-yn-1-yl]pyridine;
  - 2-[3-(3-chlorophenoxy)but-1-yn-1-yl]-6-methylpyridine;
  - 2-Methyl-6- (3-p-tolyloxy-prop-1-ynyl)-pyridine;
  - 2-[3-(2,3-Dichloro-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,3-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,3-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,4-Dichloro-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,4-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,5-Dichloro-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,5-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2,6-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-Methyl-6- [3-(2-trifluoromethyl-phenoxy)-prop-1-ynyl]-pyridine;
  - 2-[3-(2-Benzyloxy-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2-Bromo-4, 5-dimethyl-phenoxy) -prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2-Chloro-4-methoxy-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2-Chloro-5-methyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-[3-(2-Chloro-6-methyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;
  - 2-Methyl-6- (3-o-tolyloxy-prop-1-ynyl)-pyridine;
  - 2-Methyl-6- [3-(3,4,5-trimethyl-phenoxy)-prop-1-ynyl]-pyridine;
  - 2-[3-(3,4-Dichloro-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;

2-[3-(3,4-Dimethoxy-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
2-[3-(3,4-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
2-[3-(3,5-Dichloro-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
2-[3-(3,5-Dimethoxy-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
2-[3-(3,5-Dimethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
2-[3-(3-Bromo-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
3- [3- (6-Methyl-pyridin-2-yl)-prop-2-ynyloxy]-benzonitrile;  
2-[3-(3-Ethyl-phenoxy)-prop-1-ynyl]-6-methyl-pyridine;  
2-methyl-6-[3-(3-methylphenoxy)prop-1-yn-1-yl]pyridine;  
2-[3-(4-chloro-2-methylphenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
2-[3-(4-chloro-3,5-dimethylphenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
2-[3-(4-chloro-3-methylphenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
2-[3-(4-chlorophenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
2-[3-(4-methoxyphenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
2-methyl-6-[3-(4-nitrophenoxy)prop-1-yn-1-yl]pyridine;  
2-methyl-6-[3-(3-nitrophenoxy)prop-1-yn-1-yl]pyridine;  
2-methyl-6-[3-(3-methylphenoxy)prop-1-yn-1-yl]pyridine;  
2-methyl-6-[3-(5,6,7,8-tetrahydronaphthalen-2-yloxy)prop-1-yn-1-yl]pyridine;  
2-[3-(4-isopropylphenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
2-[3-(4-*tert*-butylphenoxy)prop-1-yn-1-yl]-6-methylpyridine;  
6-[3-(3,4-dimethylphenoxy)prop-1-yn-1-yl]-3-fluoro-2-methylpyridine; and  
6-[3-(3,4-dimethylphenoxy)but-1-yn-1-yl]-3-fluoro-2-methylpyridine.

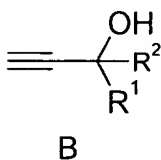
5. (Currently Amended) A compound according to ~~any one of claims 1-4~~ claim 1 for use in therapy.
6. A compound according to claim 5, wherein the therapy is treatment or prevention of gastroesophageal reflux disease.

## CLAIMS 7-8 (CANCELLED)

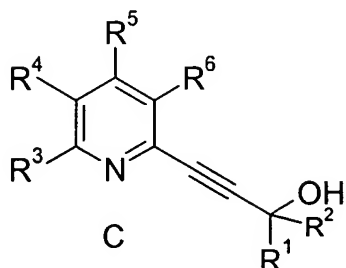
9. (Original) A pharmaceutical composition comprising a compound of formula I of claim 1 or 2 as an active ingredient, together with a pharmacologically and pharmaceutically acceptable carrier.
10. (Original) A process for the preparation of a compound of formula I, whereby a coupling reaction of the aryl bromide A



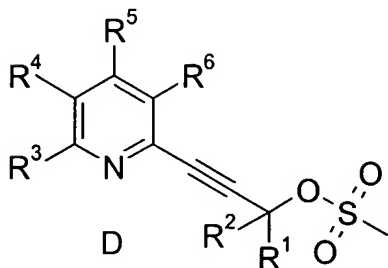
and the alcohol B



is performed in the presence of a base such as triethyl amine to give the alcohol C



which is then converted into the mesylate D



and reacted with an alcohol, and wherein

R<sup>1</sup> is selected from hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, aryl and heteroaryl, wherein the aryl or heteroaryl may be substituted by C<sub>1</sub>-C<sub>4</sub> alkyl;

R<sup>2</sup> is selected from hydrogen and C<sub>1</sub>-C<sub>4</sub> alkyl;

R<sup>3</sup> is selected from hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, F, CF<sub>3</sub>, CHF<sub>2</sub> and CH<sub>2</sub>F;

R<sup>4</sup> is selected from hydrogen, F, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F and CH<sub>3</sub>;

R<sup>5</sup> is selected from hydrogen and F;

R<sup>6</sup> is selected from hydrogen and F.

11. (Original) A compound selected from 3-(5-fluoro-6-methylpyridin-2-yl)prop-2-yn-1-ol; 4-(5-fluoro-6-methylpyridin-2-yl)but-3-yn-2-ol; 3-(5-fluoro-6-methylpyridin-2-yl)prop-2-yn-1-yl methanesulfonate; 3-(5-fluoro-6-methylpyridin-2-yl)-1-methylprop-2-yn-1-yl methanesulfonate; 4-(6-methylpyridin-2-yl)but-3-yn-2-ol; and Methanesulfonic acid 1-methyl-3-(6-methyl-pyridin-2-yl)-prop-2-ynyl ester.

12. (Original) A method for the inhibition of transient lower esophageal sphincter relaxations whereby an effective amount of a compound of formula I of claim 1 or 2 is administered to a subject in need of such inhibition.

13. (Original) A method for the treatment or prevention of gastroesophageal reflux disease, whereby an effective amount of a compound of formula I of claim 1 or 2 is administered to a subject in need of such treatment or prevention.